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62.77

SEED BULLETIN

HUMPHREY-COKER SEED COMPANY

HARTSVILLE, S. C.

GREENWOOD, MISS.

BREEDERS OF
PEDIGREED FIELD
SEEDS
BY THE
PLANT-TO-ROW
METHOD



EACH PLANT
MUST PROVE
ITS WORTHINESS
TO REPRODUCE
ON
SOUTHERN FARMS

A PICTURE OF OUR GRAIN BREEDING PLOTS.

HUMPHREY-COKER HIGH QUALITY PEDIGREED SEEDS

COTTON, CORN, OATS, RYE, WHEAT AND OTHER SEASONABLE FIELD SEEDS

HUMPHREY-COKER SEED COMPANY

HARTSVILLE, SOUTH CAROLINA

GREENWOOD, MISSISSIPPI

For Best Results Use Seed with a Proven Record

OUR GUARANTEE AND RESPONSIBILITY

On Pedigreed Seeds

Our Pedigreed Seeds represent the increase from individual plants of proven quality. Bred by the plant-to-row method, tested over a series of years. Increased for sale to the public. We guarantee them true to name.

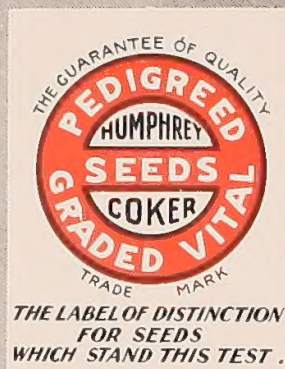
EXAMINE OUR SEEDS when you receive them and test them in any way you see fit. If for any reason they are not satisfactory, they may be returned to us within ten days after they are received, in the original package, AT OUR EXPENSE. WE WILL REFUND ENTIRE PURCHASE PRICE. We waive all responsibility for seeds which have been in a customer's hands more than ten days, as the vitality of any seed may be lessened or killed after leaving our warehouse, by subjection to moisture, heat, or other conditions. Under no circumstances will we be responsible for the germination of seed after they are planted, whether within ten days or not, as there are many reasons for imperfect germination of planted seeds other than their vitality. In no case do we accept responsibility for more than the purchase price of seed. If the purchaser does not accept seed under this condition, they are to be returned at once.

OUR TERMS

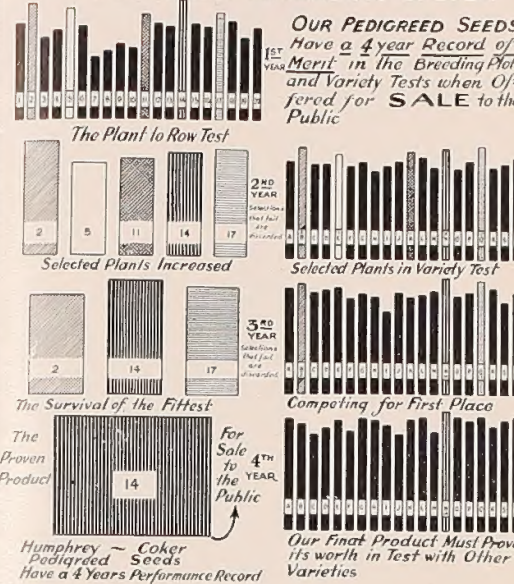
WE SELL FOR CASH. Unless you enclose the money with your order it will be necessary to delay shipment until we write you and receive the money. To persons having proper credit rating we will make shipment by freight, sight draft with bill of lading attached, or by express C. O. D., but others must send cash with order. All our prices are F. O. B. Hartsville, S. C., Greenwood, or Schlater, Miss. Remittance may be made by check, money order, cash or stamps. We are not responsible for your order until it reaches us.

PROGRESSIVE FARMERS USE

HUMPHREY-COKER SEEDS



OUR SEED-BREEDING SYSTEM



SEEDS PRODUCED UNDER THIS SYSTEM GUARANTEE BEST CROP RETURNS

WHY BUY HUMPHREY-COKER SEEDS?

FIVE VITAL REASONS.

- (1) **They Are Pedigreed**—Bred under the supervision of experts who are practical farmers; they carry all the qualities of high yield, type, earliness, resistance to disease, and so on, that are essential to biggest crop returns.
- (2) **They Are Graded**—All our seeds cleaned and graded on the very best machines for the purpose; have all the foreign material and light, faulty seeds removed. They are heavy and uniform, easy to plant, sure to bring best results.
- (3) **They Are Vital**—Grown under proper conditions to produce vigorous seeds; handled in the right way to maintain this vigor; tested in our laboratory for germination and purity; they can be depended upon to come up and grow with vigor. A good start insures best crop returns.
- (4) **They Are Rightly Constituted**—They combine in their make-up the three essentials of highest seed constitution: (1) Proper Breeding. (2) Proper Grading. (3) Strongest Vitality. They can be depended upon to perform a seed's part in the best crop production.
- (5) **They Are Guaranteed**—They must be right or your money back. See our guarantee.



PEDIGREED CLEVELAND BIG BOLL

Staple 1-inch full.

Lint, 38-40 %.

Bolls per pound seed cotton, 70.



CORN "EAR-TO-ROW" TEST

We carefully test and study hundreds of ears of corn to find the **Best Producers**. The best we increase for sale.

Our Pedigreed Cotton Seed

PEDIGREED WEBBER ELITE STRAIN

(STAPLE 1 5/16 to 1 3/8 INCHES)

This cotton is our selection of Deltatype Webber. It has no superior as an upland staple cotton in boll size, staple length and quality and it has proven its ability to produce excellent crops under heavy Weevil infestation.

This cotton was bred for a **FRUITING BRANCH TYPE** and it has very few vegetative branches, making its foliage much lighter and its adaptability to Boll Weevil conditions much better. Wherever tried this cotton has won an enviable reputation. Its **EARLINESS**, its **OPEN FRUITING BRANCH TYPE**, its **LARGE BOLL** (with thick boll rind) and its **EXCELLENT STAPLE** (length and quality) recommend it as a most desirable cotton for every Southern farm. We offer this variety grown in South Carolina or Mississippi, as desired.

PEDIGREED WEBBER 49 (Special)

(STAPLE 1 1/4 to 1 5/16 INCHES)

For many years Webber 49 cotton has been a favorite among staple cotton growers from South Carolina to Texas. It combines in its make-up the qualities of **EARLINESS, OPEN TYPE, RAPIDITY OF FRUITING, BOLL SIZE, STAPLE QUALITY AND PRODUCTIVENESS** which appeal to the best farmers. 65 **BOLLS** of this variety will make a pound of seed cotton, and it carries a staple of 1 1/4 to 1 5/16 inches of fine quality.

The bolls of this variety open wide. It is easy to pick and it should be picked promptly to secure the very best grades. No strain of Webber 49 cotton is superior to our Pedigreed Webber 49 Special under Boll Weevil conditions.

We offer seed of this variety grown in South Carolina or Mississippi as desired.

EXPRESS COTTON

Express cotton is one of the new varieties, bred, named and established by the United States Department of Agriculture. To Dr. D. N. Shoemaker of the Bureau of Plant Industry is due the credit for this variety.

The **EXTREME EARLINESS** of this cotton is its most distinctive characteristic. It is especially adapted to planting on the overflow lands in the Mississippi Delta where plantings must be made late in the Spring. For South Carolina conditions we have not found Express to be as profitable as the other varieties we offer.

We offer the best seeds of the two best strains of Express we have tested.

EXPRESS 26. Bred by the Georgia State Board of Entomology and described as follows: "Open growing type, light foliage, storm and disease resistant, medium-sized bolls, 33% lint, staple full 1 3/16 inches and of good quality. We offer the purest seed of this strain grown on our Mississippi farm."

EXPRESS 350. A VERY DESIRABLE strain of Express developed by the Delta Experiment Station at Stoneville, Miss. This strain of Express has shown up exceptionally fine in all our variety tests in South Carolina and Mississippi. In staple length, quality, percentage, yield and earliness it measures up to the best we have tested. Our seed stocks obtained from the Delta Experiment station have been carefully handled and grown under our supervision at Schlater, Miss.

PEDIGREED CLEVELAND BIG BOLL

(SHORT STAPLE 1 INCH)

Cleveland Big Boll needs no introduction to Southern Farmers. It is planted on the majority of our farms. It is recognized as the **BEST SHORT STAPLE** variety. It is recommended as the one best short staple cotton to plant under Boll Weevil conditions on land free from cotton wilt.

We offer the finest pedigreed strain of this variety. For **EARLINESS, LARGE BOLL, TYPE AND PRODUCTION**, it has no superior among short staple varieties. Staple 1-inch full. Lint 38 to 40 per cent. In every test our seed of this variety has proven its equal to the best. In our test plots at Schlater, Mississippi, it is one of the leaders in early yield. Our seed of this variety all South Carolina grown.

DIXIE TRIUMPH WILT RESISTANT

(SHORT STAPLE 1-INCH)

After many years of careful breeding work the United States Government, through the Department of Agriculture, has succeeded in developing several varieties of cotton that are resistant to cotton wilt. Dillon, Dixie and Dixie-Triumph are the result of these efforts. They now accord **DIXIE TRIUMPH** first place.

This cotton is very early, a heavy producer and well adapted under boll weevil conditions. It carries 38% lint and full 1-inch staple. This variety is much in demand for wilt lands and the supply of good, pure seed is very scarce.

It is extremely important to plant the best quality seed for wilt land. Mixed seeds mean wilted plants and a big loss in crop yield.

Our seed of this variety are all South Carolina grown.

Seed Corn

PEDIGREED MARLBORO PROLIFIC

(FOR MAIN CROP)

Marlboro Prolific is a white corn with white cob. It produces two large ears to the stalk and in our corn tests has always been a leader. Taking into consideration its yield, its quality and its resistance to weevil attack, we consider **MARLBORO PROLIFIC** the **BEST WHITE CORN** we have tested. We offer the highest yielding **PEDIGREED STRAIN** of this corn to be had.

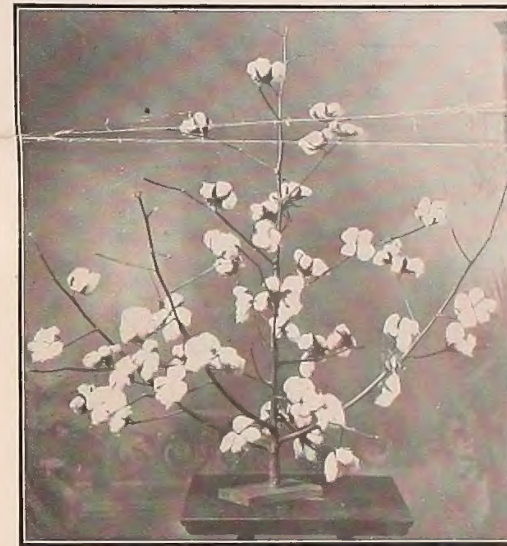
IMPROVED GOLDEN DENT

(FOR EARLY CROP OR LATE PLANTINGS)

We know of no **EARLY, QUICK MATURING** variety of corn the equal of Golden Dent. In yield and quality it is a leader.

We handle the best **SELECTED SEED** of this variety to be had at present. We will offer Pedigreed Strains later.

ASK FOR PRICE LIST ON SPRING SEEDS BEFORE YOU BUY



PEDIGREED WEBBER 49 (SPECIAL)

Staple 1 1/4 to 1 5/16 inches.

Lint, 33 %.

Bolls per pound seed cotton, 65.



PEDIGREED WEBBER "ELITE STRAIN"

Staple, 1 5/16 to 1 3/8 inches.

Lint, 34 %.

Bolls per pound seed cotton, 60.

GENERAL SEEDS

The following seeds were not grown by us, but we have selected them from the very best sources. We have carefully tested them for germination and purity and we know them to be of excellent quality. We aim to handle only the best. See our guarantee on these seeds.

OUR GUARANTEE

ON GENERAL SEEDS not grown by us, "We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seed we send out and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are to be returned and amount paid for them will be refunded."

FALL SEEDS

	Per lb.	10 lb.	100 lb.
Alfalfa	26	24	21
Crimson Clover	26	24	21
Italian Rye Grass	16	14	13
Rape (Dwarf Essex).....	15	14	10
Hairy Vetch	26	24	21

Wheat

	1 Bu.	10 Bu.	25 Bu.
Fulcaster (Bearded)	\$2.65	\$2.60	\$2.50
Leap's Prolific (Beardless).....	2.75	2.65	2.55
Blue Stem (Beardless)—Ask for prices.			
Red May (Beardless).....	2.75	2.65	2.55

SPRING SEEDS

Ask for Prices on—

Soy Beans, Mammoth Yellow.
Velvet Beans, 100 day.
Velvet Beans, Bunch.
Pearl or Cattail Millet.
Sudan Grass.
Lespedeza.
Carpet Grass.
Bermuda Grass.
Forage Corns.
Sorghums.

Prices on These Seeds Are Continually Changing.
Ask for Prices When Ready to Buy

FALL SEEDS

PEDIGREED ABRUZZI RYE

Surpasses All Other Varieties of Rye for the South

ABRUZZI RYE, introduced from Italy in 1900, tested by the U. S. Department of Agriculture and found valuable, was distributed to the public in 1907. Plant breeders began selection work on this variety and in 1913 offered a strain for sale which produced 11.4 bushels per acre more than the original rye as introduced. Our seed of this rye represents the best production to date.

As a **Winter Cover Crop** for the Coastal plain section of the South, this rye has no superior. It makes a heavy growth of vegetable matter in Fall and early Winter. Careful tests show four tons per acre from October 15th to February 11th.

As a **Winter Grazing Crop**, the best we know of. It grows upright. It is easy to graze.

As a **Seed Producer** it has no superior in the South. On good land you can depend on 18 to 28 bushels per acre, against 8 to 10 bushels for **ordinary rye**.

Prices— (Cash with order).

Per bushel	\$3.45
Lots of ten bushels and over.....	3.35
Lots of 50 bushels and over.....	3.25

All prices F. O. B. Hartsville, S. C.



A Sheaf of Pedigreed
Abruzzi Rye

RESULTS OF OUR RYE VARIETY TEST

Variety	Bus. per acre (Average 1921-1922)
Abruzzi (General), Improved.....	30.7
Abruzzi (Pedigreed)	34.1
Virginia Winter	13
Rosin	24.8

***It Pays to Plant the Best
Pedigreed Seeds***

PEDIGREED FULGHUM OATS

The Fulghum Oat was selected from a field of Red Appler Oats. **It is Beardless. It is early. It is a heavy producer.** This oat is very popular because of its early maturity. It gets out of the way early, giving the farmer more time to get his hay crop planted before the rush of other work sets in.

If it's **Early Maturity** you desire, plant these oats. **Our recommendation:** If you plant many oats, divide your crop, put one-half in Red Appler Oats and one-half in Fulghum Oats. This will lengthen your cutting period and enable you to save your crop in good shape.

Our Pedigreed Fulghum Oats, the best of this variety you can buy.

Prices—(Cash with order)

Per bushel	\$1.50
Lots of 25 bushels.....	1.40
Lots of 100 bushels and over.....	1.30

All prices F. O. B. Hartsville, S. C.



Our Oats and Rye
Took All 1st Prizes
S. C. State Fair,
1920

PEEIGREED RED APPLER OATS

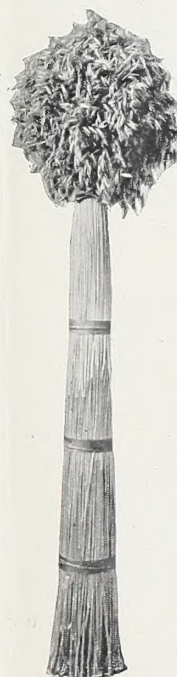
THE HEAVIEST YIELDING OATS FOR THE SOUTH

Pedigreed Red Appler Oats trace back in their ancestry to the Red Rust Proof variety. Selections made from this variety early in 1900 have been bred and tested for the past 10 years, and as yet there is no variety known that will make as much per acre. We offer the best strain of these oats, properly bred, graded and tested. The seeds we offer for sale come from heavy producing crops last season. If it's **High Yield** and **Money Value Per Acre** you wish, plant these oats.

Prices—(Cash with order).

Per bushel	\$1.50
25 bushels	1.40
In lots of 100 bushels and over.....	1.30

All prices F. O. B. Hartsville, S. C.



A Sheaf of Pedigreed
Red Appler Oats

Our Seed Oats Are Free From Smut

SEEDING PER ACRE FOR GRAIN

(These Results Apply to Best Quality Seeds)

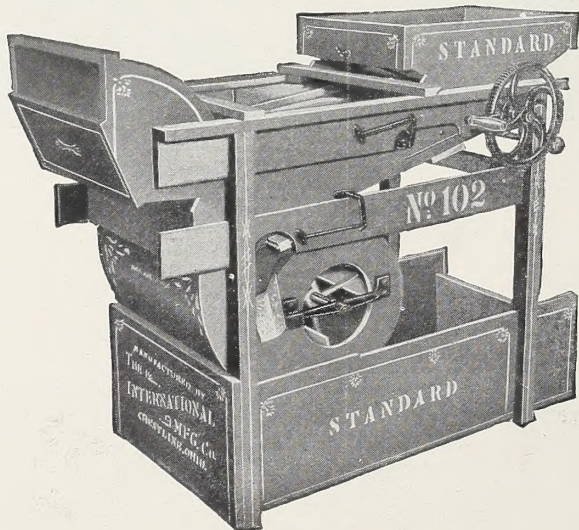
FOR RYE. Carefully conducted tests prove conclusively that **RYE**, for **SEED PURPOSES**, when sown on good land around the 15th of November, should be seeded at the rate of three pecks to one bushel per acre. On light lands seeding should be heavier, (1 to 1½ bushels), as the stooling capacity of rye is not as good on poor land. Always sow grain heavier when planted late in the season.

FOR OATS. On good soils, where oats are sown in October, the best rate of seeding for average conditions is from 1½ to 2 bushels per acre. Heavier seedings (2 to 2½ bushels) should be made if oats are put in during December and January. 1½ bushels of good seed planted in October on good land will stool rapidly and make much finer quality grain and a larger yield than will heavier seedings.

IMPORTANCE OF SEED CLEANING

Carefully conducted tests by our Plant Breeders and by the Government Experiment stations prove the **EXTREME IMPORTANCE OF SEED CLEANING** as a means of **INCREASING CROP YIELDS**. With Oats an increase of 12 bushels per acre is the result of properly recleaned seed.

This matter can not be stressed too much. Every farmer should have a **GOOD CLEANER** on his farm, and see to it that all of his seeds are cleaned before they go in the ground.



THE STANDARD SEED CLEANER

We have tried all makes of **SEED CLEANERS** and for **FARM USE**, where simplicity, ease of operation, durability and uniform, dependable work are so essential, we are convinced that the **STANDARD** is the best machine to be had.

Ask for literature and information and we will explain its merits fully.

HUMPHREY-COKER SEED CO.

OPERATING BREEDING AND GROWING FARMS AT
HARTSVILLE, S. C. and SCHLATER, MISS.

We Breed and Grow Pedigreed Seeds in Mississippi

MISSISSIPPI COTTON GROWERS ADVISED TO BUY MISSISSIPPI SEED

Commissioner of Agriculture Warns Against Peril of Importing

Starkville, Miss., July 19.—According to the permits on file in the office of the state plant board, the farmers of Mississippi apparently have broken all former records this spring for buying cottonseed for planting purposes from other states. This year permits were issued for the shipment of 102,112 bushels of planting seed into Mississippi, or more than four times the amount purchased outside the state in 1921. This amount covers planting seed only and does not include seed for crushing or other purposes.

Though Mississippi has a strict quarantine against cottonseed from Texas, Oklahoma, New Mexico and Western Louisiana on account of the pink boll worm, there is always the possibility of shipments coming from an undiscovered infestation in an unquarantined state. Because of this serious danger of bringing in the pink boll worm or other pests from other states, and also on account of the high price of the imported seed and the high express and freight charges the Mississippi buyers are paying, it will be a progressive step, says P. P. Garner, commissioner of agriculture and chairman of the state plant board, if farmers will begin now to make preparations to save their own planting seed for the crop of 1923.

Where a farmer is not satisfied with the cotton that he is growing, he could make arrangements with one of his neighbors or with some other reliable Mississippi planter or cotton breeder to supply his needs. It is a matter of pride that Mississippi has within her borders some of the outstanding leaders in cotton breeding.

At Schlater, Mississippi

Three years ago we started the BREEDING and GROWING of Pedigreed Seeds in Mississippi. We started with the very finest Pedigreed Selections from South Carolina with the idea of producing and growing Strains of Seeds better suited to Mississippi conditions.

Our BREEDING WORK there now embraces six varieties of Cotton, one variety of Corn, two varieties of Oats and one variety of Rye. We are testing hundreds of plants each year trying to find higher producing, more desirable selections. We now have several new selections that are making fine records and we will offer these for sale as soon as they have passed their final test and receive their PEDIGREE.

Until such time as we are in position to offer our seed BRED IN MISSISSIPPI, we are offering the finest Pedigreed Seed from our South Carolina Stocks which have been GROWN and HANDLED under our personal supervision at SCHLATER, MISS. Our seed crops are properly inspected in every way to insure purity before harvesting and after harvest they are properly housed, handled, ginned, cleaned, stored and tested to insure purity and vitality. This makes possible the GUARANTEE, which goes with every seed we sell, of SATISFACTION OR YOUR MONEY BACK.

We take great pride in the CLEANING OF OUR SEEDS and we have the very best machines obtainable to properly grade and clean all the seed we sell. This fact alone insures big crop returns.

The HANDLING OF SEED to insure Purity and Vitality is a matter of extreme importance. We have men in our organization who have had more actual experience in handling, storing and testing Pedigreed Seeds than have the men in any other like organization in the South. This insures the farmer the very best protection against low quality seed.

The Management of Our Work

The management of our Mississippi work is under the direct supervision of Mr. J. Blanding Dick who is stationed at Schlater, Miss. He is a College Trained man, a Plantbreeder by actual study; training and experience through a number of years. He fully appreciates the value of the greatest care, accuracy and cleanliness in the production of Pedigreed Seeds. At such times and as often as necessary our Head Plantbreeder and General Manager, Mr. S. Pressly Coker, works and advises with him on matters of greatest importance. Nothing is left undone that would add to the quality of our breeding and growing work. We invite a thorough inspection by all as to our men, our equipment and our methods. COME TO SEE US.

The Value of Acclimated Seed.

The SUPERIORITY OF SEED grown and bred in Mississippi, for planting in Mississippi, over seed brought in from other sections is a fact attested by all the best agricultural authorities. Seed that are acclimated, when they are of proper quality, will give better results than seed brought in from other parts of the country. In support of this argument, we refer you to the article on the left by your State Commissioner of Agriculture and to your Experiment Stations or the U. S. Department of Agriculture. The seed we are now offering have already become acclimated to Mississippi condition and will give you better returns than seed shipped in from other states.

HUMPHREY-COKER SEED CO.

HARTSVILLE, S. C. and SCHLATER, MISS. OPERATING BREEDING AND GROWING FARMS AT

We Breed and Grow Pedigreed Seeds in Mississippi

At Schlatter, Mississippi

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Our BREEDING WORK there now embraces six varieties of Cotton one variety of Corn, two varieties of Oats and one variety of Soy. We are testing hundreds of plants each year trying to find higher producing, more desirable selections. We now have several new selections that are making the records and we will offer these for sale as soon as they have passed their final test and receive their PEDIGREE.

Just such time as we are in position to offer our seed BRED IN MISSISSIPPI, we are offering the best Pedigreed Seed from our South Carolina Stock which have been GROWN and HANDLED under our personal supervision at SCHLATTER, MISS. Our seed crops are properly inspected in every way to insure purity before harvesting and after harvest they are properly housed, handled, cleaned, stored and tested to insure purity and vitality. This makes possible the GUARANTEE which goes with every seed we sell of SATISFACTION OR YOUR MONEY BACK.

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Likewise, Mississippi has a wide questionnaire sent out covered from Texas, Oklahoma, New Mexico and Western Louisiana on account of the fact that cottonseed is always the most difficult to grow in the state. The possibility of shipment coming from an untried source is a matter of great concern to the state plant board. The high price of the imported seed and the high cost of the seed changes the Mississippi picture and during the year a progressive step was taken. The Mississippi board of agriculture and chairman of the state plant board, U. S. Bureau will begin now to make preparations to save their own plant seed for the crop of 1923.

Where a farmer is not satisfied with the cotton that he is growing, he could make arrangements with one of his neighbors or with some other reliable Mississippi planter or cotton breeder to supply his needs. It is a matter of pride that Mississippi has within her borders some of the outstanding leaders in cotton breeding.

FROM

HUMPHREY-COKER SEED COMPANY

BREEDERS AND GROWERS

PEDIGREED FIELD SEEDS

ORDER

Humphrey-Coker Seed Company

Operating Seed Breeding and Growing Farms
Hartsville, S. C. and Schlater, Miss.

Hartsville, S. C.

W. R. HUMPHREY, President

S. PRESSLY COKER, Manager

Date.....192.....	AMOUNT ENCLOSED
Ship the following seed to	P. O. Order..... \$.....
Name	Express Order.....
Post Office	Check
R. F. D. No..... State.....	Stamps
Express or freight office.....	Cash
Shall we ship by freight, parcel post or express	Total \$.....
(If by parcel post, or charges to be paid, add sufficient amount to cover.)	

NOTE: Our TERMS---Cash With Order

Quantity	Kind of Seed Wanted	At	Amount
.....
.....
.....
.....
.....
.....
.....
.....
.....
.....

(Over)

Please fill out both sides of the sheet
See our Guarantee—In Seed Bulletin

(Over)

BEFORE SEALING THIS ENVELOPE

Be sure you have written your name, post office and shipping address plainly on your order.

Please fill out the blanks below

HUMPHREY-COKER SEED COMPANY.

HARTSVILLE, S. C.

DEAR SIRS:

I give you below the names of farmers who would be interested in the High Quality Seeds you are producing and suggest that you send them your literature.

[illegible]

(Over)

Signed.....

HIGHEST QUALITY SEEDS



HUMPHREY-COKER SEED CO.
HARTSVILLE, SOUTH CAROLINA

PRICE LIST

PEDIGREED COTTON SEED

RECOMMENDED FOR BOLL-WEEVIL CONDITIONS
1923

	Less Than Ton Lots Per Bus.	One Ton Lots Per Bus.	Car Lots 15 Tons Per Bus.
Pedigreed Webber 49 Special..... (Staple 1 ¼ to 1 5-16 inches)	\$2.25	\$2.00 (133.33)	\$1.75 (116.66)
Pedigreed Webber Elite Strain..... (Staple 1 5-16 to 1 3-8 inches)	2.50	2.40 (160.00)	2.25 (150.00)
Pedigreed Express 350..... (Staple 1 3-16 inches)	2.50	2.40 (160.00)	2.25 (150.00)
Pedigreed Express 26..... (Staple 1 3-16 inches)	2.50	2.40 (160.00)	2.25 (150.00)
Pedigreed Cleveland Big Boll..... (Short Staple 1 inch)	2.50	2.40 (160.00)	2.25 (150.00)
Pedigreed Dixie-Triumph (wilt resistant)..... (Short Staple 1 inch)	2.50	2.40 (160.00)	2.25 (150.00)

One Bushel 30 Pounds, 66 2-3 Bus. One Ton

Prices F.O.B. Hartsville, S. C. or Greenwood, Miss.

All Prices Subject to Change Without Notice

Prices Guaranteed Against Decline

Humphrey-Coker Seed Co.

GREENWOOD, MISS. HARTSVILLE, S. C.

FARMOGERM

A Culture Of High-Bred Nitrogen Gathering Bacteria for the Inoculation of Legume Seeds

INCREASES THE GROWTH AND GREATLY
IMPROVES THE SOIL

"It will pay all farmers to inoculate all legumes, even where they are at present successfully grown."
—*Commissioner of Agriculture, S. C., 12th Annual Report.*

What are legumes?

All clovers, peas and beans, alfalfa, vetch, peanuts, cow-peas, soy beans and other plants that grow their seeds in a pod, and the root hairs of which are often the home of bacteria that have the wonderful power of drawing nitrogen from the air.

What is seed and soil inoculation?

Mixing FARMOGERM, which contains enormous quantities of nitrogen-fixing bacteria, with the seed before planting.

What is the result of using FARMOGERM?

These highly developed bacteria—which have been bred up like fine cattle—draw the nitrogen from the air and store it in little nests or swellings on the roots, called nodules.

What good are these nodules?

They not only feed nitrogen to the crop they are on, but rot away in the ground and supply valuable nitrogen to the soil for future crops, such as corn, cotton, wheat, oats, etc.

It pays to use FARMOGERM on :

Canada Field Peas	Permanent Pasture Mixtures
Cow Peas	Peanuts
Garden Peas	Crimson Clover
Sweet Peas	Red Clover
Soy Beans	Sweet Clover
Velvet Beans	White Clover
Lespedeza	Alsike
Lima Beans	Lupines
Wax and String Beans	Lentils
Alfalfa or Lucerne	Melilotus Alba, Hubam and
Spring, Winter and Hairy Vetch	Indica Clover

How do you use FARMOGERM ?

Place seed in a pile, fill FARMOGERM bottle not quite full of water; add small amount of sugar specified on bottle label; shake thoroughly, pour on seed. The jelly does not completely dissolve, but there are millions of bacteria in the water. Add more water to the bottle if necessary, and rinse, emptying on seed. Then dry, avoiding exposure to direct sunlight. Plant in usual way.

FOR THE GARDEN.

All kinds of peas and beans will make stronger, healthier growth, and will bear unusual quantities of large, luscious peas and beans if you treat seed with FARMOGERM. And with its use you will have abundant sweet pea blossoms of gorgeous coloring, on long sturdy stems. Give them plenty of space in rows—3 to 6 inches. Ask for No. 5, garden ($\frac{1}{4}$ acre) size, 50c.

It is possible to make one bottle of FARMOGERM cover several plantings if the stopper is immediately replaced after you have taken out sufficient to inoculate the first batch of seed. It keeps ten days or two weeks after you have made the first application, and sometimes longer. You can tell when it is not good; there will be an appearance of mold or mildew. Freezing does not harm FARMOGERM bacteria.

PEAS AND BEANS FOR CANNING.

Do you grow peas or beans for canning, for market, or your table? You will increase yield, improve flavor, and produce a more evenly graded crop by using FARMOGERM.

How much FARMOGERM is actually needed?

The amount of seed sown varies according to location, manner of sowing, etc. The 1-acre size bottle of FARMOGERM will thoroughly inoculate: Clovers, 15 lbs.; Alfalfa, 20 lbs.; Canada Field Peas, 100 lbs.; Vetch, 60 lbs.; Cow Peas, 100 lbs.; Soy Beans, 75 lbs.; other sizes in relative proportion.

FARMOGERM PRICES REDUCED.

New methods of production have given lower prices. You cannot afford to do without it. 1-acre size, \$1.00; 3-acre size, \$2.50; 12-acre size, \$9.00. Garden ($\frac{1}{4}$ acre) size for Peas, Beans and Sweet Peas, 50 cents.

Why FARMOGERM lives indefinitely:

Look for this patented EARP-THOMAS ventilating stopper. It enables the culture containing FARMOGERM bacteria to keep alive indefinitely.

FARMOGERM is the *only* culture you do not have to worry about being fresh.

Remember: Always inoculate your seed, whether soil is inoculated or not. At the present small cost you can easily afford to do so each year. The cost is nothing when you consider the good you are doing to yourself and your country by increased production.



From a County Agent.

"We did a lot of work comparing inoculated and uninoculated Soy Beans in this county last year. All together I examined 100 fields. On good land it will make just as good beans without inoculation as you can with it, but instead of building up your soil, by gathering nitrogen from the air, the beans take nitrogen from the soil and leave it in poorer condition than before, unless they are properly inoculated. Mr. McJohnson made six times the yield where he inoculated. Mr. Don Parker's inoculated beans made seven times the yield over where he did not inoculate. FARMOGERM was the culture used."

JOHN W. PONTON, Bedford, Virginia.

From Georgia State College of Agriculture.

"Tests in Brooks County with FARMOGERM on Vetch gave most gratifying results. Where the seed were inoculated the growth was fully three feet high, and perfect stand was maintained to maturity. Where seed were not inoculated, they generally came up properly, but soon died. At maturity, not more than 5% of the plants could be found, and none of them were more than six inches high. These seeds were sown in the early spring with oats. The growth of the oats where the Vetch had been inoculated was much more vigorous during the entire growing season. This was due doubtless to the nitrogen gathered by the inoculated Vetch, and used by the oats during growing season."

ROY E. RAST, Instructor in Agronomy.

FARMOGERMED Alfalfa Test Plots at Louisiana State University.

In north Louisiana, in the hill region, an acre was planted. The results of this plot were as follows:

Plot No. 1.—One-quarter acre inoculated and limed at the rate of 2,500 lbs. to the acre, gave yield for the four cuttings at the rate of 6,004 lbs. to the acre.

Plot No. 2.—One-quarter acre. Inoculated, but not limed. Yield at rate of 5,220 lbs. per acre.

Plot No. 3.—One-quarter acre. Limed, but not inoculated. Yield at rate of 350 lbs. to the acre.

Plot No. 4.—One-quarter acre. Not limed or inoculated, gave a yield at rate of 720 lbs. to the acre.

C. W. EDGERTON, Plant Pathologist.

"Last year I discovered a bottle of FARMOGERM four years old, and used it on my Sweet Peas. Think it only fair to tell you that I never had such a wonderful growth of Peas in my life. The stems were unusually thick and long, flowers exceedingly large and brilliant, and were considerably above the ordinary height."

Mrs. A. J. CARRIGAN, Little Falls, N. J.

We will be glad to send FARMOGERM promptly anywhere. *Specify for what seed.* We recommend it as the most dependable inoculant.

HUMPHREY-COKER SEED COMPANY

HARTSVILLE

SOUTH CAROLINA

The Value of Breeding Work

ILLUSTRATIONS



**BREEDING PLOT—WEBBER ELITE COTTON
AT SCHLATER, MISS., 1921**

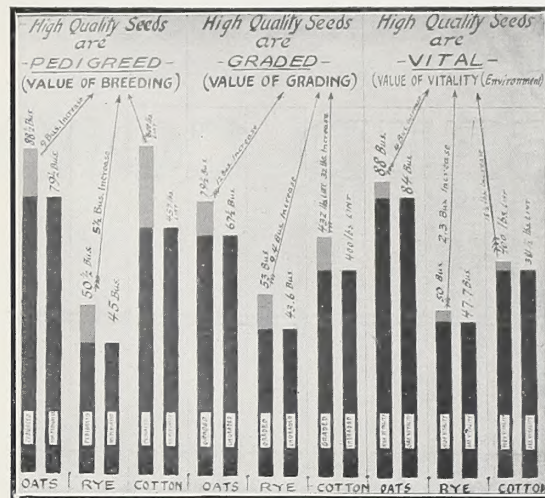
Rows 27 and 29 show the value of Breeding work in determining earliness and type for Boll Weevil conditions. Such work as this is of tremendous importance in producing desirable, high yielding, productive strains of cotton and other crops.

**A CROP FROM GOOD SEED
OATS**



YIELD 50 BUSHELS PER ACRE
Planting seed cost \$4.00

Crop value, 50 bushels at \$1.00,
\$50.00; net value, \$46.00.



**ILLUSTRATION—VALUE OF BREEDING—
GRADING AND VITALITY OF SEEDS
WITH DIFFERENT CROPS**

**Study the Chart
With Oats It Shows
as Follows:**

Increase Yield	Bus.
Good Breeding	9
Good Grading	12
Strong Vitality	4
Total	25

A careful study of this Chart is worth while.

Good Seed vs. Poor Seed

Note 1—The Yield Per Acre

	Bus. Per Acre.
Good Seed	50.
Poor Seed	28.5
Difference	21.5

Note 2—The Value Per Acre

	\$46.00 Net
Good Seed	
Poor Seed	26.50 Net
Difference	\$19.50

Gain \$19.50 Per Acre From Good Seed

A WORD OF CAUTION

Be careful where you buy your seeds. Seed bred and grown by Expert Plant Breeders can be depended upon to give good results. The best proof of this statement lies in the fact that such seed carry a guarantee of satisfaction as to Purity and High Quality. General seeds do not carry such a guarantee.

Don't take a chance. When you plant low quality seed you are losing time and money. We offer you Highest Quality, Guaranteed Seeds.

**A CROP FROM POOR SEED
OATS**



YIELD 28.5 BUSHELS PER ACRE
Planting seed cost \$2.00.

Crop value, 28.5 bushels at \$1.00,
\$28.50; net value, \$26.50.

HUMPHREY-COKER SEED COMPANY

OPERATING

SEED BREEDING AND GROWING FARMS

AT

HARTSVILLE, S. C. and SCHLATER, MISS,

QUALIFICATIONS FOR PRODUCTION OF FINEST PEDIGREED SEEDS

1. Plant Breeders—Trained—Practical—Careful—Experienced.
2. Suitable Breeding Farms and Equipment for proper testing and handling seeds.

DO WE QUALIFY?

Our Men

Our Head Plant Breeder, Mr. S. Pressly Coker, is a practical farmer, a graduate of the Virginia Agricultural College and Cornell University. In college he made a special study of Plant Breeding and for 12 years since has been actually breeding and handling Pedigreed Seeds. His productions are grown throughout the South today.

Associated with him in South Carolina as assistants in Breeding and Handling Seeds are Mr. Richard S. Cathcart, a graduate of Clemson College, and Mr. C. F. Wyatt, who has had many years of practical seed experience.

Our Breeding and Growing work at Schlater, Miss., is under the management of Mr. J. Blanding Dick. He is a graduate of Clemson College and for several years was associated with our Head Plant Breeder in the actual breeding and handling of seeds at Hartsville, S. C.

Our Farms and Equipment

At Hartsville, S. C., and at Schlater, Miss., we have excellent Farms for Breeding, Testing and Growing our seeds. In connection with these farms we have the necessary equipment and machinery for handling, recleaning and storing our seeds.

Our Laboratory for the proper testing of seeds to determine their Purity and Vitality is well equipped.

We are well equipped in every way and **WE INVITE INSPECTION** of our work and our methods. Come to see us, for "**SEEING IS BELIEVING.**" Visit our Nearest Farm and you will agree.

WE DO QUALIFY